



Stream Restoration Using Natural Channel Design Techniques

June 27-28, 2006

UF/IFAS Okaloosa County Extension Office
5479 Old Bethel Road
Crestview, Florida 32536

This workshop will teach principles of natural channel design for stream restoration. Participants will survey a reference stream (Murder Creek) and analyze data to develop design parameters for a degraded channel. Participants will work in groups to design stream channel dimension, pattern, profile and preliminary channel layout for the study site. This workshop will include field work collecting stream morphology data and classroom work calculating design parameters. Participants are encouraged to bring appropriate field clothes and a laptop computer for spreadsheet applications to be provided by the instructor. This workshop requires previous training in stream channel morphology (Level I). Participation in this level II course will offer further advancement in natural channel design.

June 27, 2006

8:30 am	Registration
9:00 am	Welcome and introductions – Chris Metcalf, US FWS
	Stream Restoration Design Principles - Greg Jennings, NC State University
	Field Work to Assess Study Stream and Reference Reach
	Box Lunch provided in field
	Classroom Group Work to Calculate Design Parameters
5:00 pm	Adjourn

June 28, 2006

8:30 am	Classroom Group Work to Calculate Design Parameters
12:00 pm	Lunch (provided)
1:00 pm	Review Group Designs
	Construction Specifications and Erosion Control – Greg Jennings
	Lessons Learned from Natural Channel Design Projects – Chris Metcalf
4:30 pm	Adjourn

Sponsored By:

- U.S. Fish and Wildlife Service, Partners for Fish and Wildlife Program
- UF/IFAS Santa Rosa County Sea Grant Marine Extension

- Three Rivers Resource Conservation and Development, Council, Inc.

Dr. Greg Jennings, Professor of Biological and Agricultural Engineering at North Carolina State University (NCSU) has more than 20 years of experience in water resources engineering, water quality protection, watershed hydrology, and environmental restoration and has worked on more than 45 stream assessments and restoration projects throughout the Southeast. Each participant will receive a reference manual.

Chris Metcalf is currently the Partners for Fish and Wildlife Program Coordinator for the U.S. Fish and Wildlife Service in Panama City, Florida. Chris received a B.S. degree in fisheries biology from the University of Wisconsin Stevens Point and an M.S. degree in aquatic ecology from University of Louisiana-Monroe. For the past five years, Chris has been involved with stream related research and natural channel restoration projects along the coastal plain of Florida, Alabama and Georgia.

Registration:

The general registration is \$150. A special discounted registration of \$75 is available for government agencies, non-profit groups and private landowners. Use the on-line registration form:

<http://www.santarosa.fl.gov/extension/registration.html>

Checks should be payable to: Santa Rosa County Overall Advisory Committee Fund. Please, no credit cards or purchase orders. This workshop is limited to 30 participants. Registration fees are not refundable. **Registration deadline is June 20, 2006.**

For more information, directions and lodging accommodations contact:

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